

Note:
W Beam Traffic
Barrier not shown.

Ø 4 3/4" Ø hole
in post flange.

Anchor Plate
3"x8 1/2"x1/4" see
detail sheet 2 of 2.

INSIDE ELEVATION
Scale: 1"=1'-0"

Notes:

1. Panel lengths of structural tubing members shall be attached continuously to a minimum of three posts except at abutments with expansion joints.
2. All steel components shall be galvanized, unless otherwise shown on Plans.
3. Structural tubing section shall meet ASTM A 572 Grade 50. All other steel except bolts shall meet ASTM A 36.
4. All anchor studs and nuts shall meet ASTM A 325.
5. Maximum post spacing 6'-3".
6. Posts shall be set vertical for level or low side roadway and perpendicular to high side superelevated roadway.

FHWA APPROVAL
DATE:

SECTION A-A
Scale: 1"=1'-0"

4" Ø hole
cut through web.
1 1/4" Ø Double Extra
Strong Pipe Sleeve
x 2 1/8".
Structural Tubing
4"x3"x1/4"

Post W6x20

* See pertinent structure
sheets for dimensions
of pedestal.

Typ. 3/8"
All sides
and back.

(4) 3/4" Ø Anchor Studs
with (3) 3/4"-10 thd. (rolled
or cut) Hex. Steel Nuts.

(2) 5/8" Ø Anchor Studs
with (2) 5/8"-11 thd. (rolled
or cut) Hex. Steel Nuts.

3/16" Fiberglass
(see sheet 3 of 3
for details).

SECTION
Scale: 1"=1'-0"

7. Fiberglass to be used only when indicated on pertinent structure sheets.

APPROVAL

E.S. Friedman DIRECTOR
OFFICE OF BRIDGE DEVEL.

DATE: 4/23/90

REVISIONS

SHA FHWA

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STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF BRIDGE DEVELOPMENT

COMBINATION W BEAM TRAFFIC BARRIER
WITH HANDRAIL AND BIKE RAIL FOR STRUCTURES

STANDARD NO. BC(6.12)-90-219

SHEET 1 OF 3

BOX CULVERT